

In the Abstract (Clean copy as amended)

A<sup>7</sup>

This invention concerns DNA and peptide sequences encoding a novel mammalian secreted group XII phospholipase A<sub>2</sub> wherein said enzyme contains a potential Ca<sup>2+</sup> binding segment (SEQ ID NO: 8) GCGSP and more particularly, a novel human group XII phospholipase A<sub>2</sub>. The invention also concerns the use of this enzyme in methods for screening various chemical compounds.